

INTERNATIONAL SEARCH REPORT

International Application No
PCT/FR2004/002091

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 463 470 B1 (RAMBERG YORAM ET AL) 8 October 2002 (2002-10-08) cited in the application column 5, line 45 - column 8, line 3 column 11, line 1 - line 36 column 22, line 31 - column 24, line 61	1-29
X	US 6 366 577 B1 (DONOVAN STEVEN R) 2 April 2002 (2002-04-02) cited in the application column 4, line 24 - line 39 column 7, line 31 - column 9, line 14	1-29
X	WO 03/012670 A (ALCATEL INTERNETWORKING INC) 13 February 2003 (2003-02-13) cited in the application page 4, line 15 - page 7, line 15 page 8, line 4 - page 9, line 22	1-29
-/-		

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

8 June 2005

17/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

LOPEZ PEREZ M C

INTERNATIONAL SEARCH REPORT

International Application No
PCT/FR2004/002091

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	US 2004/039803 A1 (LAW EDDIE) 26 February 2004 (2004-02-26) cited in the application paragraph '0011! - paragraph '0022! paragraph '0033! - paragraph '0039! paragraph '0049! ----- US 2004/064575 A1 (PARMAR PANKAJ N ET AL) 1 April 2004 (2004-04-01) paragraph '0018! - paragraph '0035! -----	1-29
P,X		1-29

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FR2004/002091

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 6463470	B1 08-10-2002	US 6286052 B1		04-09-2001
		US 6167445 A		26-12-2000
		US 6718380 B1		06-04-2004
		US 6651101 B1		18-11-2003
		US 6434624 B1		13-08-2002
-----	-----	-----	-----	-----
US 6366577	B1 02-04-2002	AU 774327 B2		24-06-2004
		AU 1464701 A		06-06-2001
		BR 0015349 A		15-07-2003
		CA 2390169 A1		17-05-2001
		CN 1421104 A		28-05-2003
		EP 1232655 A1		21-08-2002
		JP 2003514467 T		15-04-2003
		MX PA02004489 A		24-06-2003
		WO 0135680 A1		17-05-2001
		US 2002041590 A1		11-04-2002
		AU 776055 B2		26-08-2004
		AU 1361301 A		06-06-2001
		BR 0015350 A		26-11-2002
		CA 2390168 A1		17-05-2001
		CN 1421103 A		28-05-2003
		EP 1230806 A2		14-08-2002
		JP 2003514446 T		15-04-2003
		MX PA02004490 A		24-06-2003
		WO 0135604 A2		17-05-2001
		AU 775853 B2		19-08-2004
		AU 1464801 A		06-06-2001
		BR 0015351 A		16-07-2002
		CA 2390179 A1		17-05-2001
		CN 1413333 A		23-04-2003
		EP 1232458 A1		21-08-2002
		JP 2003514415 T		15-04-2003
		MX PA02004491 A		24-06-2003
		WO 0135294 A1		17-05-2001
-----	-----	-----	-----	-----
WO 03012670	A 13-02-2003	EP 1412870 A1		28-04-2004
		WO 03012670 A1		13-02-2003
		US 2003021283 A1		30-01-2003
-----	-----	-----	-----	-----
US 2004039803	A1 26-02-2004	NONE		
-----	-----	-----	-----	-----
US 2004064575	A1 01-04-2004	NONE		
-----	-----	-----	-----	-----

**RAPPORT DE RECHERCHE
PRÉLIMINAIRE**
N° d'enregistrement
nationalFA 637393
FR 0309860établi sur la base des dernières revendications
déposées avant le commencement de la recherche

DOCUMENTS CONSIDÉRÉS COMME PERTINENTS		Revendication(s) concernée(s)	Classement attribué à l'invention par l'INPI
Catégorie	Citation du document avec indication, en cas de besoin, des parties pertinentes		
1 X	US 6 463 470 B1 (RAMBERG YORAM ET AL) 8 octobre 2002 (2002-10-08) * colonne 5, ligne 45 - colonne 8, ligne 3 * * colonne 11, ligne 1 - ligne 36 * * colonne 22, ligne 31 - colonne 24, ligne 61 *	1-29	H04Q7/28
2 X	US 6 366 577 B1 (DONOVAN STEVEN R) 2 avril 2002 (2002-04-02) * colonne 4, ligne 24 - ligne 39 * * colonne 7, ligne 31 - colonne 9, ligne 14 *	1-29	
3 X	WO 03/012670 A (ALCATEL INTERNETWORKING INC) 13 février 2003 (2003-02-13) * page 4, ligne 15 - page 7, ligne 15 * * page 8, ligne 4 - page 9, ligne 22 *	1-29	
4 E	US 2004/039803 A1 (LAW EDDIE) 26 février 2004 (2004-02-26) * alinéa '0011! - alinéa '0022! * * alinéa '0033! - alinéa '0039! * * alinéa '0049! *	1-29	DOMAINES TECHNIQUES RECHERCHES (Int.Cl.7) H04L
5 E	US 2004/064575 A1 (PARMAR PANKAJ N ET AL) 1 avril 2004 (2004-04-01) * alinéa '0018! - alinéa '0035! *	1-29	

See attached translation sheet

ligne = line

revendications - claims

colonne = column

abrege = summary/abstract

1		Date d'achèvement de la recherche	Examinateur
		13 mai 2004	LOPEZ PEREZ M C
CATÉGORIE DES DOCUMENTS CITÉS <p>X : particulièrement pertinent à lui seul Y : particulièrement pertinent en combinaison avec un autre document de la même catégorie A : antérieure-plan technologique O : divulgation non-écrite P : document Intercalaire</p> <p>T : théorie ou principe à la base de l'invention E : document de brevet bénéficiant d'une date antérieure à la date de dépôt et qui n'a été publié qu'à cette date de dépôt ou qu'à une date postérieure. D : cité dans la demande L : cité pour d'autres raisons & : membre de la même famille, document correspondant</p>			
EPO FORM 1503 12.99 (PODC14)			

65 146 FR

**ANNEXE AU RAPPORT DE RECHERCHE PRÉLIMINAIRE
RELATIF A LA DEMANDE DE BREVET FRANÇAIS NO. FR 0309860 FA 637393**

La présente annexe indique les membres de la famille de brevets relatifs aux documents brevets cités dans le rapport de recherche préliminaire visé ci-dessus.
Les dits membres sont contenus au fichier informatique de l'Office européen des brevets à la date du **13-05-2004**.
Les renseignements fournis sont donnés à titre indicatif et n'engagent pas la responsabilité de l'Office européen des brevets, ni de l'Administration française.

Document brevet cité au rapport de recherche		Date de publication	Membre(s) de la famille de brevet(s)	Date de publication
US 6463470	B1	08-10-2002	US 6286052 B1 US 6167445 A US 6718380 B1 US 6651101 B1 US 6434624 B1	04-09-2001 26-12-2000 06-04-2004 18-11-2003 13-08-2002
US 6366577	B1	02-04-2002	AU 1464701 A BR 0015349 A CA 2390169 A1 CN 1421104 T EP 1232655 A1 JP 2003514467 T WO 0135680 A1 US 2002041590 A1 AU 1361301 A BR 0015350 A CA 2390168 A1 CN 1421103 T EP 1230806 A2 JP 2003514446 T WO 0135604 A2 AU 1464801 A BR 0015351 A CA 2390179 A1 CN 1413333 T EP 1232458 A1 JP 2003514415 T WO 0135294 A1	06-06-2001 15-07-2003 17-05-2001 28-05-2003 21-08-2002 15-04-2003 17-05-2001 11-04-2002 06-06-2001 26-11-2002 17-05-2001 28-05-2003 14-08-2002 15-04-2003 17-05-2001 06-06-2001 16-07-2002 17-05-2001 23-04-2003 21-08-2002 15-04-2003 17-05-2001
WO 03012670	A	13-02-2003	EP 1412870 A1 WO 03012670 A1 US 2003021283 A1	28-04-2004 13-02-2003 30-01-2003
US 2004039803	A1	26-02-2004	AUCUN	
US 2004064575	A1	01-04-2004	AUCUN	

NATIONAL INSTITUTE
OF INDUSTRIAL PROPERTY

SEARCH REPORT
drawn up on the ground of the
last claims filed before the
beginning of the search

DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to claim													
Category	Citation of document with indication, where appropriate, of relevant passages														
			Technical fields Searched (Int. CL. 7)												
Date of completion of the search:		Examiner:													
CATEGORY OF CITED DOCUMENTS <table> <tbody> <tr> <td>X : particularly relevant if taken alone</td> <td>T : theory or principle underlying the invention</td> </tr> <tr> <td>Y : particularly relevant if combined with another document of the same category</td> <td>B : earlier patent document based on, or after the the filing date</td> </tr> <tr> <td>A : relevant against at least one claim</td> <td>D : document cited in the application</td> </tr> <tr> <td>Or: technological background</td> <td>L : document cited for other reasons</td> </tr> <tr> <td>O : non-written disclosure</td> <td>& : member of the same patent or corresponding document</td> </tr> <tr> <td>P : intermediate document</td> <td></td> </tr> </tbody> </table>				X : particularly relevant if taken alone	T : theory or principle underlying the invention	Y : particularly relevant if combined with another document of the same category	B : earlier patent document based on, or after the the filing date	A : relevant against at least one claim	D : document cited in the application	Or: technological background	L : document cited for other reasons	O : non-written disclosure	& : member of the same patent or corresponding document	P : intermediate document	
X : particularly relevant if taken alone	T : theory or principle underlying the invention														
Y : particularly relevant if combined with another document of the same category	B : earlier patent document based on, or after the the filing date														
A : relevant against at least one claim	D : document cited in the application														
Or: technological background	L : document cited for other reasons														
O : non-written disclosure	& : member of the same patent or corresponding document														
P : intermediate document															